8(1), 32(3)

SOV/112-59-3-5110

Translation from: Referativnyy zhurnal. Elektrotekhnika, 1959, Nr 3, p 116 (USSR)

AUTHOR: Skrypnik, V. M.

TITLE: Use of Alkaline Storage Batteries on Diesel-Electric Locomotives (Primeneniye shchelochnykh akkumulyatorov na teplovozakh)

PERIODICAL: Elektr. i teplovozn. tyaga, 1958, Nr 1, p 25

ABSTRACT: At the Privolzhskaya railroad, operating tests on a diesel-electric locometive were conducted of nickel-iron starter storage battery 48-SZhN-450 which has a capacity of 450 amp-hr in the five-hour range. The rated battery voltage is 64 v (48 cells); charging current is 115 amp for seven hours. Potassium hydroxide is used as an electrolyte, its specific gravity being 1.2. The tests have shown that the main generator receives a current sufficient for starting the diesel if the fully-charged battery is discharged down to 36% of its rated capacity. As in the case of a lead battery, the diesel starting takes 8-10 sec. Mechanical strength and reliability of the alkaline battery are good. The

Card 1/2

SOV/112-59-3-5110

Use of Alkaline Storage Batteries on Diesel-Electric Locomotives

32 TN-450 lead-acid batteries on the TE1 and D^a locomotives should be replaced with 48-SZhN-450 nickel-iron batteries as soon as the former become worn out. Nickel-iron batteries should also be provided in new diesel-electric locomotives.

S.M.D.

Card 2/2

SKRYPNIK, V. V.

SKRYPNIK, V. V.: "Basic procedures in the agricultural engineering of grape hybrids--direct progenitors." Min Higher Education Ukrainian SSR. Odessa Agricultural Inst. Odessa, 1956.

(Dissertation for the Degree of Candidate in Agricultural Sciences.)

Knizhnaya letopis', No. 30, 1956. Moscow

USSR/Cultivated Plants - Fruits. Berries.

M

Abs Jour

: Ref Zhur Biol., No 12, 1958, 53821

Author

Skrypnik, V.V.

Inst

: ****

Title

: Care of the Hybrid Vineyard.

Cris: Pub

: Sadonodstvo, vinogradarstvo i vinodeliye, Moldavii, 1957,

No 4, 31-35

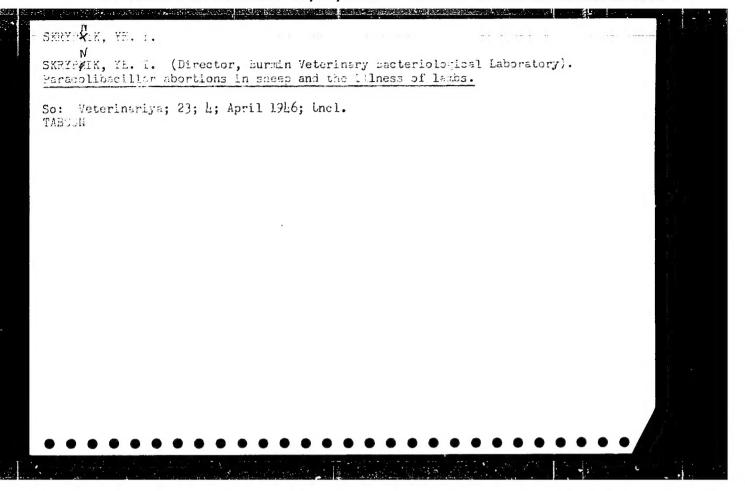
Abstract

: In order to increase the yield of the hybrids - direct producers - it is recommended that one select fertile soils rich in moisture, prop the vines, periodically apply meneral and organic fertilizers, increase the number of eyes per plant, carry out supplementary intravarietal pollination, pinch off the shoots, and protect the plants from mildew in separate years by spraying with 10% Bordeau solution. The varieties which form calls more readily than other varieties should be protected from phyloxera by spraying with a 2% suspension of hexachlorane.

-- P.Kh. Kiskin

Card 1/1

- 127 -



USSR / Human and Animal Morphology (Normal and Pathological). S Circulatory System. Blood Vessels.

Als Jour : Ref Zhur - Biologiya, No 9, 1958, No. 40839

Author : Skrypnik, Ye. M.
Inst : Vinnitsa Medical Institute

Title : The Veins of the Nasal Mucosa in Men and in Some

Vertebrate Animals

Orig Pub : Sb. nauchn. tr. Vinnitsk. med. in-ta, 1957, 8, 29-40

Abstract: The veins of the masal mucosa (VNM) of amphibians (frog), reptiles, birds (chicken, duck, goose, owl, stork, woodpecker), of insectivozos animals (hedgehog, mole), rodents (rabbit, hare, gopner, rats), hoofed animals (horse), predatory animals (cat, lion, dog) and man (fetuses, children and adults up to the age of 70 years) were investigated. It was demonstrated that the VNM reflect the degree of development of the respiratory

Card 1/2

SKLYAR, V.A.; AVRAMENKO, K.P.; PAVLOV, D.F.; BOBKOV, N.V.; BERESTOVAYA, R.V.; SKRYPNIK, Ye.P.; SEMONENKO, Ye.T.; SERGEYEVA, V.P.; KOLYAKO, D.A., red.; SOLDATOVA, N.P., otvetstv.za vypusk; GRISHNYAYEV, B.G., tekhn.red.

1 日本の日本の日本の大学

[Economy of Krasnodar Territory; a statistical manual] Narodnoe khoziaistvo Krasnodarskogo kraia; statisticheskii sbornik.
Krasnodar, Gosstatizdat, 1958. 233 p. (MIRA 12:2)

1. Krasnodarskiy kray. Statisticheskoye upravleniye. 2. Nachal'nik Krasnodarskogo krayevogo statisticheskogo upravleniya (for Kolyako). (Krasnodar Territory--Statistics)

Emison on Figure 2 paint may rail in Ales
Actoratic sections to the preparation of ionic products containing a Pilling and ways of the result; them and then. Itlan. Ind. TOTA no. 1, March-April 1959.
 Monthly Lin' 17 Trasian Accessions, library of Congress, August, 1952. "MOLASSIFIED.

KOLESNICHENKO, N.A.; SKRYPNIKOV, D.A.

Stand for cleaning metal inserts from pipes for multicavity panels.

Rats. i izobr. predl. v stroi. no.126:7-8 '55. (Concrete slabs)

YUKHNOVICH, A.N., veter. vrach (Yel'ninskiy rayon, Smolenskoy oblasti);
RUDOMETKIN, Ya.S., veter. vrach; EVENTOV, M.Z., veter. vrach;
SOBOLEV, A.S., dotsent (Estonskaya SSR); DOL'NIKOV, Yu.Ya., kand.
veter. nauk; PALIMPSESTOV, M.A., prof.; SIMONENKO, N.M., dotsent;
GONCHAROV, A.P., assistent; BEZRUKOV, A.A.; FROLENKOV, N.A., veter.
vrach (Serov, Sverdlovskoy oblasti); KOSHCHEYEV, P.M.; VOROB'YEV,
M.M., kand. veter. nauk; YANCHENKO, P.Kh., veter. vrach;
AMELIN, I.P.; BYCHKOV, A.I., kand. veter. nauk; SHVYREV, G.I.,
veter. vrach (Stavropol'skiy kray); DANILIN, N.F.; TRUSHIN, A.Z.,
veter. vrach; SKRYPNIKOVA, T.K., veter. fel'dsher; MIKHEYEV, A.D.;
KARMANOVA, Ye.M., kand. biol. nauk; REMIZOV, Ye.S., mladshiy
nauchnyy sotrudnik; ANTIPIN, D.N., referent

From helminthological practice, Veterinaria 38 no.7:55-58 Jl 161. (MIRA 16:8)

1. Reshetovskiy veterinarnyy uchastok, Novosibirskoy oblasti (for Rudometkin). 2. Sovkhoz 'Buda-Koshelevskiy' Gomel'skoy oblasti (for Eventov). 3. Sib. rskiy nauchno-issledovatel'skiy veterinarnyy institut (for Dol.'nikov). 4. Khar'kovskiy veterinarnyy institut (for Palimpsestov, Simonenko, Goncharov). 5. Blagoveshchenskiy sel'skokhozyaystvennyy institut (for Bezrukov). 6. Novo-Nikolayevskiy veterinarnyy uchastok Krasno-darskogo kraya (for Lochkarev). 7. Karpilovskiy veterinarnyy uchastok Chernigovskoy oblasti (for Ponomarenko). 8. Kamalinskiy veterinarnyy uchastok Krasnoyarskogo kraya (for Koshcheyev).

(Continued on next card)

YUKHNOVICH, A.N. -- (continued) Card 2.

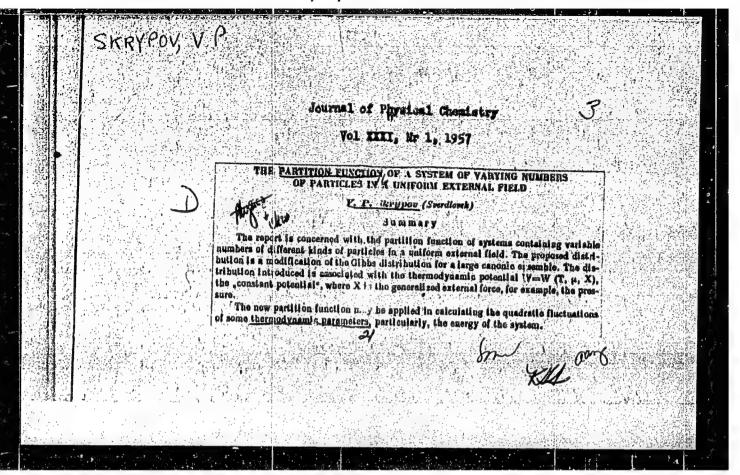
9. Novgorod-Severskaya mezhrayonnaya veterinarnaya laboratoriya, Poltavskoy oblasti (for Vorob'yev). 10. Braginskaya rayonnaya veterinarnaya lechebnitsa, Gomel'skoy oblasti (for Yanchenko). 11. Nachal'nik veterinarnogo otdela Chelyabinskogo oblastnogo sel'skokhozyaystvennogo upravleniya (for Amelin). 12. Chelyabinskaya oblastnaya veterinarnyaya laboratoriya (for Bychkov). 13. Kaliningradskaya nsuchno-issledovatel'skaya veterinarnaya stantsiya (for Danilin). 14. Sovkhoz "Rodina" Kikvidzenskogo rayona, Stalingradskoy oblasti (for Trushin, Skrypnikova). 15. Zaveduyushchiy Kirovo-Chepetskoy myaso-molochnoy i pishchevoy kontrol'noy stantsiyey, Kirovskoy oblasti (for Mikheyev). 16. Gel'mintologicheskaya laboratoriya AN SSSR (for Karmanova). 17. Zapadno-Kazakhstanskaya nauchno-issledovatel'skaya veterinarnaya stantsiya (for Remizov). (Veterinary helminthology)

AVAZBAKITHMA Mar.; ESEALHLAGIA, R.O.; SKRYNNIKOVA, Z.A.; SHIYAHOV. Yu.I.

Effect of muscular activity under different climatic conditions on changes in some physiological indices of the human organism.

Uch. zap. Kazakh. un. 41:161-170'61. (MIRA 16:6)

(KAZAKHSTAN—MAN—INFLUENCE OF CLIMATE)



DANILOV, V.I.; ZUBKO, O.H.; SKRYSHEVS'KIY, A.F.

rad resident var servar ar jabeta paranet daga kan bilance

K-ray study of liquid O-dichlorobenzene. Dop.AN URSR no.5:39-43 149.
(MLRA 9:9)

1. Chlen-korrespondent AN URSR (for Danilov).2. Kiiv, Laboratoriya metalofiziki AN URSR.

(Benzene)

SKRYSHEVSKIY, A. F.

PA 187T92

USSR/Physics - X-ray Analysis

Particle in the communication of the property of the property of the communication of the com

Mar/Apr 51

"Determining the Structure of Molecules by Roentgenograms of Liquids," V. I. Danilov, A. F. Skryshevskiy, Lab of Metallophys, Acad Sci Ukrainian SSR

"Iz Ak Nauk SSSR, Ser Fiz" Vol XV, No 2, pp 187-194

It is experimentally shown on ortho- and paradichlorobenzene that X-ray spectra of fluid with complex mols reveal structure of mols. Submitted at 3d All-Union Conference on Use of X-rays in Study of Materials held 19 - 24 Jun 50 in Leningrad.

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187T92

SKRYSHEVSKIY, A. F.

USSR/Physics - Solid State Physics

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Nov 53

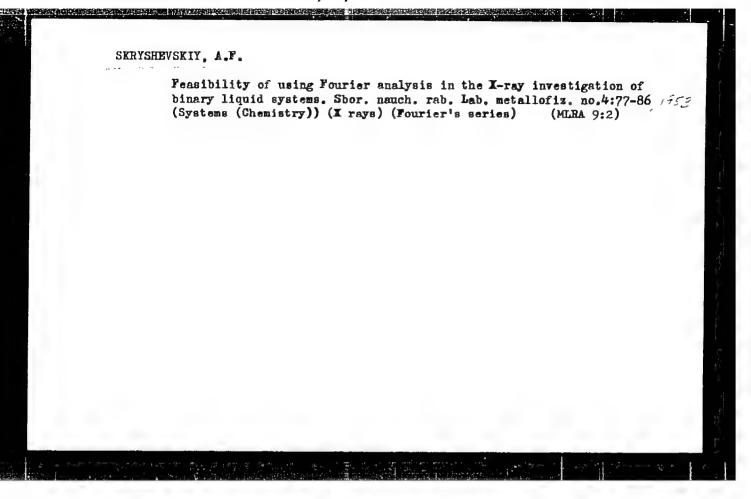
"Conference on the Liquid State of Matter, Held 22-30 May 1953 at Kiev by the Academy of Sciences, Ukrainian ISR, and Kiev State University in T. G. Shevchenko," S. D. Ravikovich, G. F. Foskchina and J. F. Skryshevskiy

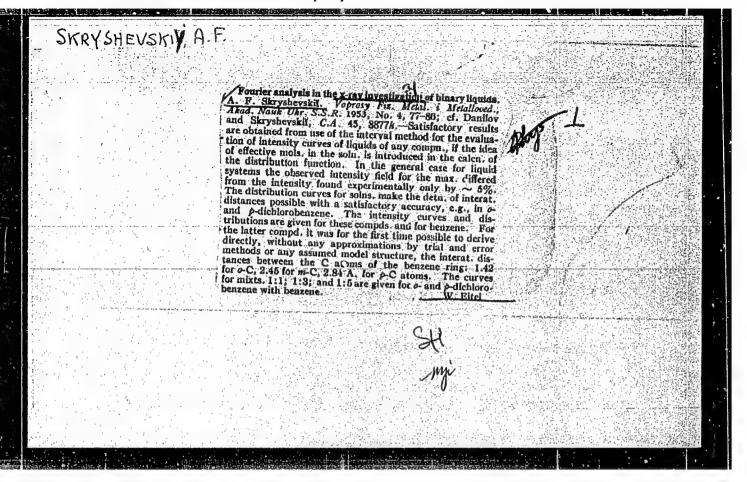
Usp Fiz Nauk, Vol 51, No 3, pp 393-405

Summarize reports by the following: V. I. Danilov, on scattering of x-rays in liquids; A. F. Skryshevskiy, on x-ray study of sclns of KOH, NaOH, LiOH, LiOH, and H₂SO₄; Ye. A. Foray-Koshits, on integral analysis of intensity curves; F. V. Daragin, Ye. G. Shvidkovskiy, C. Ya. Jamoylov et al. on x-ray studies of liquid structure; A. Z. Golik, on characteristics of nolecular structure of liquids; I. V. Fadchenko, on modeling of liquids; F. K. Shestakovich, on new liquid rodels and influence of central and dipole forces on close ordering; A. Z. Golik and his associates S. D. Ravikovich, A. V. Orishchenko, V. I. Solombo, and E. A. Eyndich, on viscosity and density of matter in the liquid state; V. F. Chulanovskiy and D. S. Karenetskaya, on the influence of molecules' size and the intermolecular intensity on viscosity coeff; A. F. Frynza, on thermo-diffusion in tinary systems; S. S. Urazovskiy, presence of grouping of identical atoms; A. R. Fegel', on relation between electrical properties and structure of liquids; K. F. Vuks, on light-dispersion method for studying liquids' structure.

ROMANOVA, A.V.; SKRYSHKYSKIY, A.F.

X-ray structural analysis of "fused" H2SO₁.nH20 and HMO₂nH20 crystal hydrates. Sbor.nauch.rab.Lab.metallofix. no.4: 70-76 '53. (MIRA 9:2) (Chystallization, Water of) (X rays)





SKAYSHEVSKIY, A. F.

"Application of Integral Analysis of Intensity Curves to the Study of the Structure of Binary Solutions." Can't Phys-Math Sci, Laboratory of Metallo-Optics, Acad Sci Ukrainian SSR, Kiev, 1954. (RZhFiz, Jan 55)

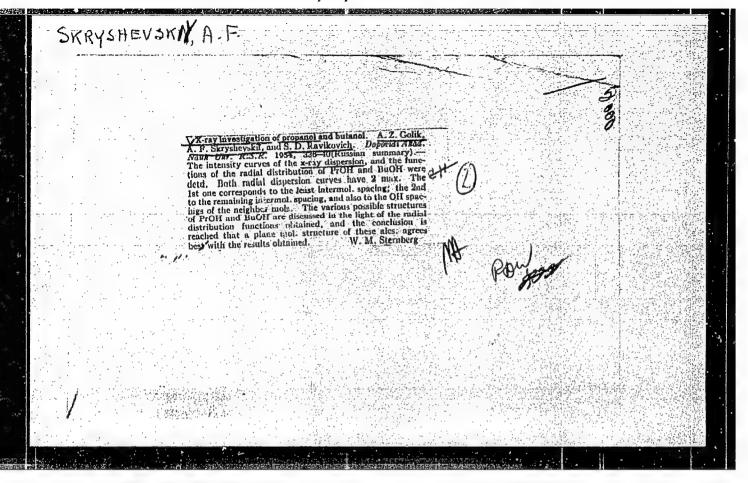
Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12) SO: Sum. No. 556, 24 Jun 55

GOLIK, A.Z., doktor fiziko-matematicheskikh nauk, otvetstvennyy redaktor; RAVIKOVICH, S.D., kandidat fiziko-matematicheskikh nauk, redaktor; ROSHCHINA, G.P., kandidat fiziko-matematicheskikh nauk, redaktor; SKRYSHEVSKIY, A.F., kandidat fiziko-matematicheskikh nauk, redaktor.

[Structure and physical properties of matter in liquid state; papers of a conference held in Kiev, May 28-30, 1953] Stroenie i fizicheskie svoistva veshchestva v zhidkom sostoianii; materialy soveshchaniia, sostoiavshegosia v Kieve 28-30 maia 1953 g. [Kiev] Izd-vo Kievskogo gos. univ. im. T.G.Shevchenko, 1954. 203 p.

(MLRA 9:8)

1. Akademiya nauk UESE, Kiyev (Liquids)



SKRYSHEVOKIY, A. F. A AMERICAN AND ALL

"Radiographic Study of the Structure of the Liquid Toluene Molecule". Sb. Nauchn. Rabot. Labor. Metallofiziki AN Ukr SSR, No 5, pp 21-29, 1954

The method of intefral analysis of intensity curves of X-ray reflections was used for the study of liquid toluene. The radiograms were carried out in monochromatic silver and molybdenum radiations in chambers of 120 mm diameter. Angular depemcence of intensity is represented in radiograms of toluene and the radial distribution of electrom density is computed. The determination of toluene structure shows the group CH2 located at the position of the second carbon atom in the benzene ring. (RZhFiz, No 10, 1955)

Sum No 812, 6 Feb 1956 30:

Tab. Metallophysics HS OK SEE and Int Physicand Witherman Denk Le. Dr. 382

GOLIK, O.Z.; SKRYSHEVS'KIY, A.F.; RAVIKOVICH, S.D.

X-ray investigation of propyl and butyl alcohols. Dop. AN URSR no.5: 336-340 '54. (MLRA 8:7)

 Institut fizichnoi khimii im. L.V. Pisarzhevs'kogo AN URSR. Predstaviv diysniy chlen AN URSR O.I. Brods'kiy. (Alcohols)

SKRYSHEVS'KIY, A. F.

KHISKYEVSKIYJAF

USSR/ Physical Chemistry - Liquids and Amerphous Bodies. Gases. B-6

Abs Jour : Referat Zhur - Khimiya, No 3, 1957, 7377

Author : Golik, O.Z. Skrishyevskiy, A.F., and Ravikovich, S.D.

Inst : Academy of Sciences Ukrainian SSR

Title : Radiographic Investigation of Methyl Alcohol

Orig Pub : Dopovidi AN URSR, 1954, No 6, 457-459 (published in

Ukrainian with a Russian surmary)

Abstract : The X-ray intensity curve and radial distribution func-

tion for methyl alcohol have been calculated. The radial distribution curve shows two peaks. The first peak corresponds to the intramolecular distance and the second is determined by the sum of the distances to the OH-groups neighbouring molecules. The first peak in the radial distribution curve was isolated from the large-distance side; this does not agree with the radial distribution curve which previously determined (G.G. Harwey, J. Chem. Phys.,

1938, 6, 3, 111).

Card 1/1 - 58 -

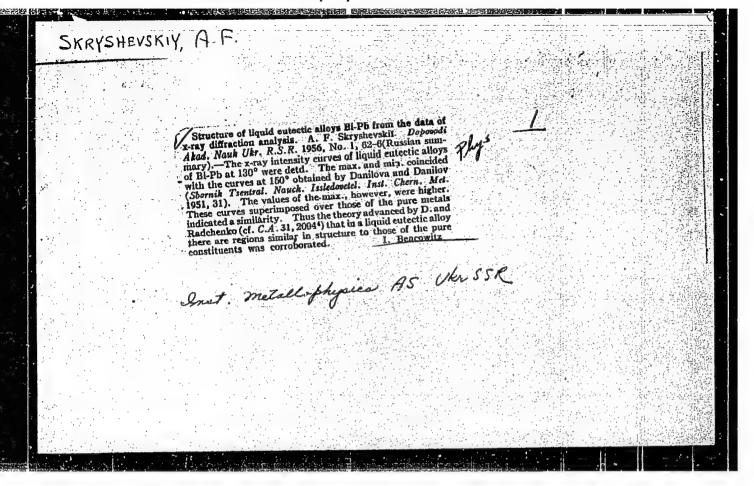
SKRYSHEVSKIY, A. F. and RAVIKOVICH, S. D.

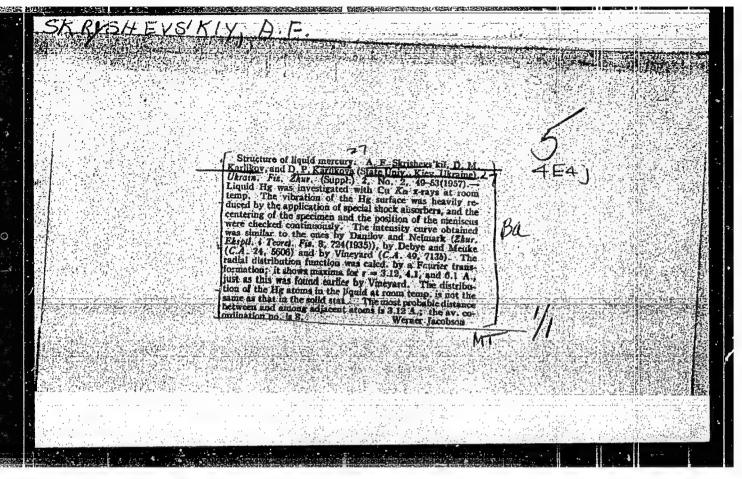
"Roentgenographic Investigation of Normal Alcohols", a paper presented at the second conference on the Liquid State of Matter, Kiev, 30 May to 3 June 1955, Usp. Fiz. Nauk, April 1955

DANILOV, Vitaliy Ivanovich, professor,doktor fiziko-matematicheskikh nauk, laureat Stalinskoy premii; KURDYUMOV, G.V., akademik, redaktor; DANILOVA, A.I., redaktor; ZUBKO, A.M., redaktor; KAMENETSKAYA, D.S., redaktor; LASHKO, A.S., redaktor; OVSIYENKO, D.Ye., redaktor; SKRY-SHEVSKIY, A.F., redaktor; SPEKTOR, Ye.Z., redaktor; KAZANTSEV, B.A., redaktor izdatel stva; RAKHLINA, N.P., tekhnicheskiy redaktor

[Structure and crystallization of liquids; selected articles]
Stroenie i kristallizatsiia zhidkosti; izbrannye stat'i. Pod red.
G.V.Kurdiumova. Kiev, Izd-vo Akademii nauk UkSSR, 1956. 566 p.
(MLRA 9:10)

1. Deystwitel nyy chlen AN USSR (for Danilov)
(Liquids) (Crystallization)





SKRYSHHVSKIY, A.F. [Skryshevs'kyi, A.F.].

Structure of molten Au - Sn compounds [with summary in English].

Ukr. fiz. zhur. 2 no.4:363-368 O-D '57. (MIRA 11:3)

1. Institut metalofiziki AN URSR.

(Gold-tin alloys--Spectra)

137-58-6-13135

Translation from Referativnyy zhurnal, Metallurgiya, 1958, Nr 6, p 279 (USSR)

AUTHOR Skryshevskiy, A.F.

TITLE. X-ray Investigation of the Short-range Order in Some Liquid

Alloys (Rentgenograficheskoye issledovaniye blizhnego por-

yadka v nekotorykh zhidkikh splavakh)

PERIODICAL Sb. nauchn. rabot In-ta metallofiz. AN UkrSSR, 1957, Nr 8,

pp 187-198

ABSTRACT. Using alloys of Pb-Sn, Bi-Pb, and Al-Sn, quantitative data were obtained on the ordering of the atoms in liquid eutectics

and molten metallic alloys. X-raying was performed in a vacuum chamber 78 mm diam; the molten metal had a free surface. Cu-KW- radiation, monochromatized by reflection off a bent quartz crystal was used. In drawing the intensity curves (IC), corrections were made for polarization and absorption in the sample. For eutectic alloys (EA) of Pb-Sn (74 atom % Sn) and

Bi-Pb (43 atom % Pb), the IC in a first approximation can be regarded as the result of a superposition of the IC of each com-

ponent of the EA. In the EA mentioned there are two types of Card 1/2 atom packing corresponding to the structure of the pure

137-58-6-13135

X-ray Investigation of the Short-range Order in Some Liquid Alloys

components in the liquid state. The IC of molten alloys Au Sn (I), AuSn₂ (II), and AuSn₄ (III) differ from the IC's of their components. Curves of the radial distribution (CRD) show that I, II, and III have different structures. In these alloys atoms of one kind are surrounded mostly by atoms of another kind (the short-range order in the solid and liquid state is the same). The character of CRD shows that the structural units of I and II are not molecules but atoms. Interatomic distances and coordination figures for the above indicated alloys are quoted.

A.B.-Z.

1. Liquid metals--Analysis 2. X-rays--Applications

Card 2/2

S/180/60/000/006/012/030 E201/E391

AUTHOR: Skryshevskiy, A.F. (Kiyev)

TITLE: The Short-range Order Structure in Liquid Metals and

Alloys

PERIODICAL: Izvestiya Akademii nauk SSSR, Otdeleniye tekhnicheskikh nauk, Metallurgiya i toplivo, 1960, No. 6, pp. 72 - 76

TEXT: The existence of the short-range order in liquids is well established but the question of the relationship of the short-range order with the crystal structure in the solid phase is still an open one. On melting, the coordination number of pure metals does not remain constant (table on p. 73). When the packing of atoms in the solid state is sufficiently close, the coordination number is reduced somewhat on melting. Metals which are loosely packed in the solid state exhibit an increase of their coordination number on fusion. These coordination-number changes can be easily explained using the Frenkel'--Samoylov ideas on thermal motion of atoms in a liquid. V.I. Danilov showed that the existence of a particular Card 1/4

S/180/60/000/006/012/030 E201/E391

The Short-range Order Structure in Liquid Metals and Alloys atomic configuration in a liquid alloy is governed by the interactions of like and unlike atoms. If aggregation of like atoms is energetically favoured, then ordered regions will consist predominantly of atoms of one type and the alloy will have a quasi-eutectic structure, A direct confirmation of the quasieutectic structure of eutectic liquid alloys is given by the additivity of their diffraction patterns and atomic distribution curves (the pattern of the alloy is the sum of the patterns of the components); this is shown for Bi-Pb alloys in Fig. 2. With increase of temperature atoms of bismuth and lead are gradually mixed up so that a uniform atomic solution is formed (Fig. 3). These and other results confirm the ideas of Y.I. Danilov and I.V. Radchenko on retention of the quasi-eutectic structure in eutectic melts. If aggregation of unlike atoms is energetically favoured, then ordered regions in a liquid alloy will consist of atoms of both components. This type of structure occurs in molten intermetallic compounds. In contrast to liquid eutectic systems, melts of intermetallic compounds have

Card 2/4

S/180/60/000/006/012/030 E201/E391

The Short-range Order Structure in Liquid Metals and Alloys diffraction patterns quite different from the patterns of their components. This can be easily seen in the case of compounds ${\tt AuSn}_1$, ${\tt AuSn}_2$ and ${\tt AuSn}_4$; the lattices of ${\tt AuSn}$ and AuSn₄ are shown in Figs. 4a and 4b, respectively (the lattice of AuSn₂ is not known). Fig. 5 shows an atomic distribution curve for liquid AuSn. An estimate of the area under the first maximum of this curve shows that the total number of atoms in the first and second coordination spheres is equal to eight. The coordination number in the third coordination sphere cannot be deduced exactly: all that we can say is it is somewhat greater than eight. It follows that near the melting point of AuSn the first and second coordination spheres retain the short-range order structure of the solid phase. This is also true of other intermetallic compounds.

Card 3/4

S/180/60/000/006/012/030 E201/E391

The Short-range Order Structure in Liquid Metals and Alloys
There are 5 figures, 1 table and 10 Soviet references.
SUBMITTED: August 26, 1960

Card 4/4

PHASE I BOOK EXPLOITATION

SOV/6190

Skryshevskiy, Anton Frantsevich

- Difraktsiya rentgenovskikh luchey, elektronov i neytronov v gazakh i stroyeniye molekul (Diffraction of X-Rays, Electrons, and Neutrons in Gases, and the Formation of Molecules) [Kiyev] Izd-vo Kiyev. univ., 1961. 84 p. 2000 copies printed.
- Sponsoring Agencies: Ministerstvo vysshego i srednego spetsial'nogo obrazovaniya UkrSSR; and Kiyevskiy ordena Lenina gosudarstvennyy universitet im. T. G. Shevchenko.
- Resp. Ed.: A. Z. Golik, Professor; Ed.: E. V. Drozhzhin; Tech. Ed.: Ye. D. Okopnaya.
- PURPOSE: This book is intended for scientific workers and students in advanced courses.
- COVERAGE: The book forms part of a series of lectures on "The structure of molecules, their properties, and intermolecular forces"

Card 1/42

Diffraction of X-Rays, Electrons, (Cont.)

SOV/6190

delivered at Kiyev University. It contains the theory of scattering of x-rays, electrons, and neutrons in gases, as well as means of determining the structure of molecules from x-ray and electron-diffraction data. The main emphasis is on explanation of the physical nature of scattering. No personalities are mentioned. There are 9 references: 6 Soviet and 3 translations.

TABLE OF CONTENTS:

Ch. I. Fundamentals of X-Ray Investigation of Molecular Struc-	3
ture	7,
1. Experimental diffraction of x-rays by gas molecules	4
2. Theory of x-ray scattering in gases	6
a. x-ray scattering by bound electrons	7
a. X-ray scattering by bound cree or one	ò
b. x-ray scattering by free electrons	- 3
c. x-ray scattering by monatomic gases	18
o. Bridge book and bo	32
d. x-ray scattering by gas molecules	J-
3. Effect of temperature on x-ray scattering by gas	
	40
molecules	

Card 2/42

3/843/62/000/000/003/010 D207/D308

DERECT:

Maryshevskiy,, Klochkov, V.P. and Pasechnik,

Yu.V.

Callini:

K-ray diffraction investigation of the structure of

some liquid organosilicon compounds

seunou:

atroyemiye i fizicheskiye svoystva veshchestva v mhidhom sostoyamii; materialy IV soveshch. po probla mhidhogo sost. veshchestva, v Kiyeve 1959 g. Kiev,

Izd-vo Kiev. univ., 1962, 50-56

The investigation was carried out because of the great technical importance of organosilicon (silicone) compounds. Using Lo radiation ($\lambda = 0.71$ Å) the authors studied linear and cyclic compounds with ethyl and methyl radicals. The intensity distribution curves were quite different for the linear and cyclic structures. From the electron density distribution maps and other data, the bond lengths, valence angles, geometrical forms and dimensions were determined for $(CH_3)_6Si_2O$, $(CH_3)_1OSi_4O_3$,

Card 1/2

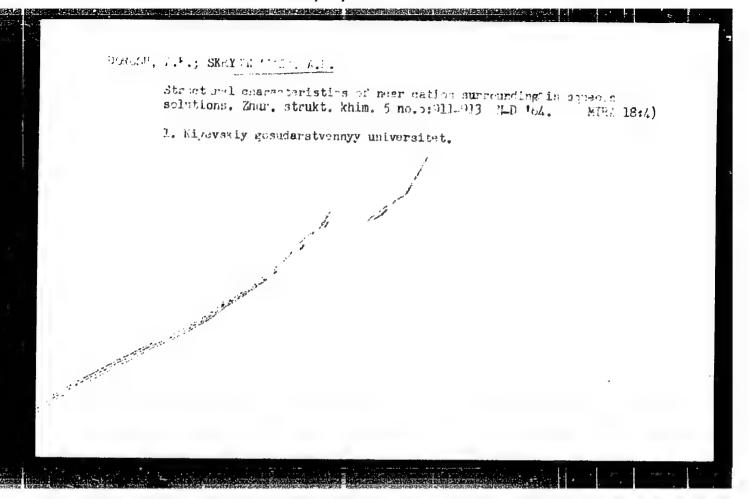
5/843/62/000/000/003/010 D207/D308

Maray diffraction investigation ...

ASSOCIATION: Rivership gosudarstvennyy universitet (Kiev State University)

Card 2/2

On the interpretation of the structure of monatomic liquids. Ukr. flz. zhur. 7 no.8:826-833 S '62. (MIRA 16:1) 1. Kiyevskiy universitet. (Liquids) (Scattering (Physics))



KLOCHKOV, V.P.; SKRYSHEVSKIY, A.F.

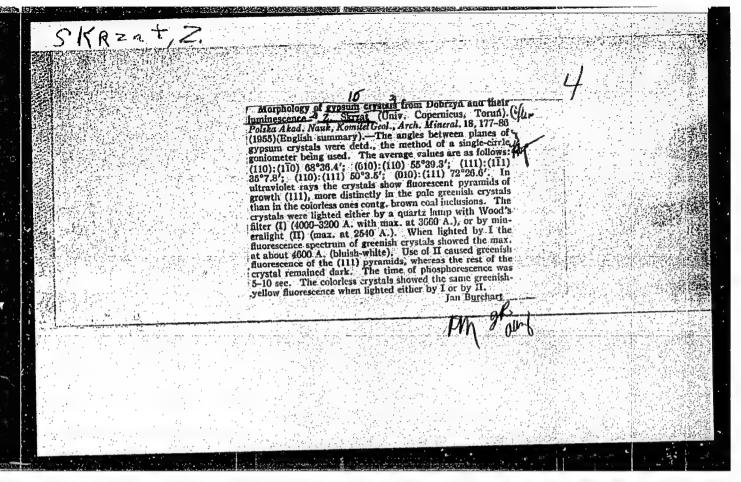
X-ray diffraction study of molecular liquids. Ukr. fiz. zhur.
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1. K. yavskiy gosudarstvennyy universitat.

MITSYUK, B.M.; DOROSH, A.K.; SKRYSHEVSKIY, A.F.; VYSOTSKIY, Z.Z.

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SKRZAT, Zofia

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1. Katedra Mineralogii, Universytet im. Mikolaja Kopernika, Torun.

SKREAT.K, Franciszek

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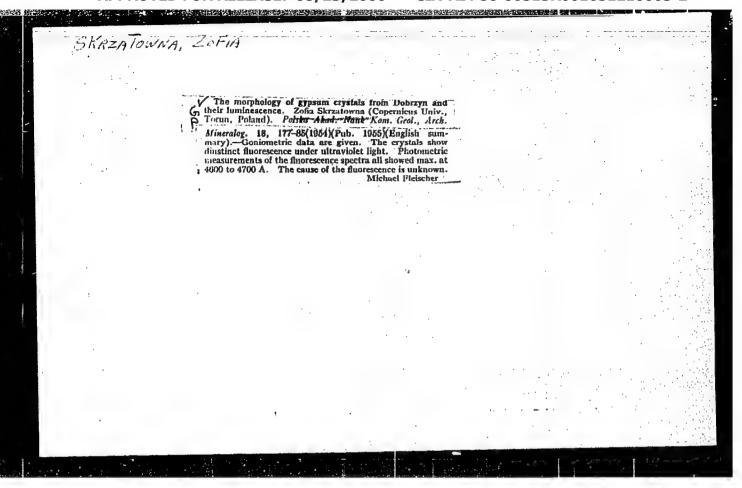
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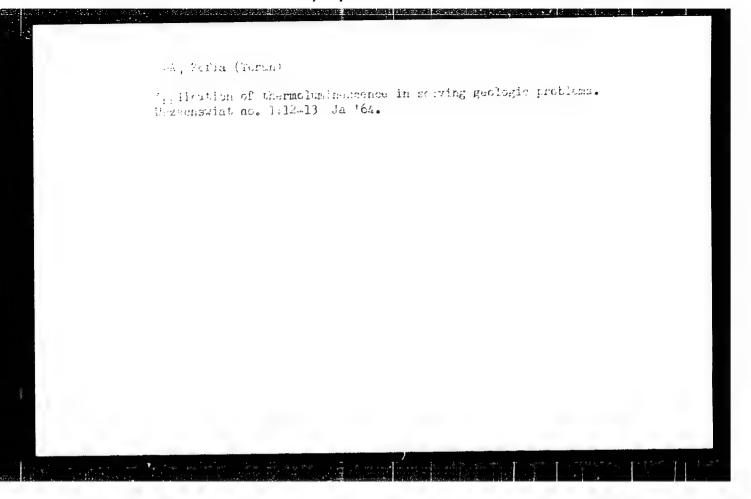
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Vol. 77 no. 3, Per. 3:56
Proposition Conference
C
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Does it bother or lead into a better future: the problem of automation. Przegl techn no.11:1,3 Mr 162.

SKRZEKOT, Jozef, mgr inz.

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Ap '65.

SKRZELA,

POLAND/Acoustics - Atmospheric Acoustics. Hydroacoustics

J-5

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6593

: Skrzela Jerzy .uthor

: The "Teeth" Effect on Echographs on the Echo Sounding Device Inst Title

Orig Pub: Proc. II. conf. ultrason., 1956, Warszawa, PWN, 1957, 215-218

.bstract : Echographs of the profile of a bottom, recorded with the aid of the echo sounding device ES-1, show distortions in the form of teeth, the height of which depends on the depth of the investigated region. The investigations have shown that the source of the distortion are the inaccuracy in the manufacture of the gear train. .lthough the period of the Laise teeth does not coincide with any one period of rotation of the gears used in the recorder, nevertheless there are two gears, the interaction time of which coincides with the sought period. A mathematical analysis of the motion of the driven gear in the case of inaccurate setting of the shaft of the

: 1/2 Card

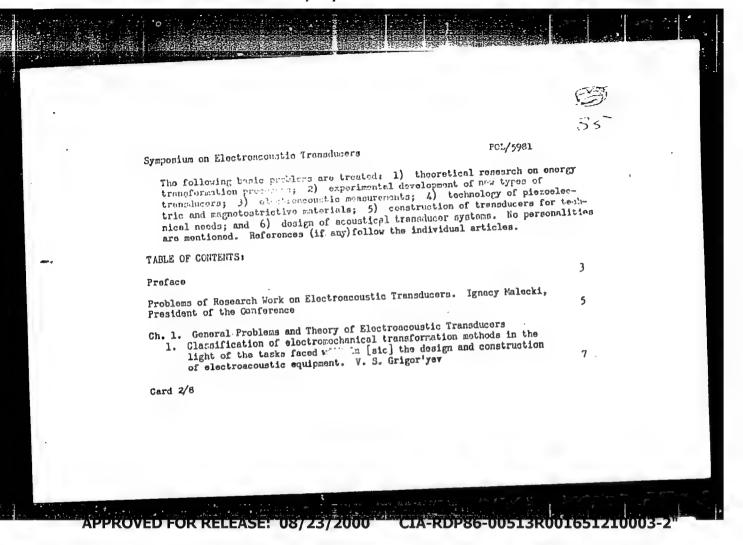
CIA-RDP86-00513R001651210003-2" APPROVED FOR RELEASE: 08/23/2000

POLAND/Acoustics - Atmospheric Acoustics - Hydroacoustics

Abs Jour : Ref Zhur - Fizika, No 4, 1959, No 6593

driving gear has shown that an inaccuracy on the order of 1.5 percent may be the source of such a noise. A diagram is given showing the dependence of the height of the teeth on the number of revolutions of the driving gear of the recorder pin at various depths. -- Yu.Ye. Borisov

: 2/2 Card



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SKRZETUSKT, A.

We avail ourselves of the possibilities of fulfilling the purchase of eggs ahead of time.

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Monthly Index of East European Accessions (EEAI) LC, Vol. 7, No. 2, Feb. 1958

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TSentr. nauch.-issl. inst. rentg. 1 rad. 10:19-27 '59.

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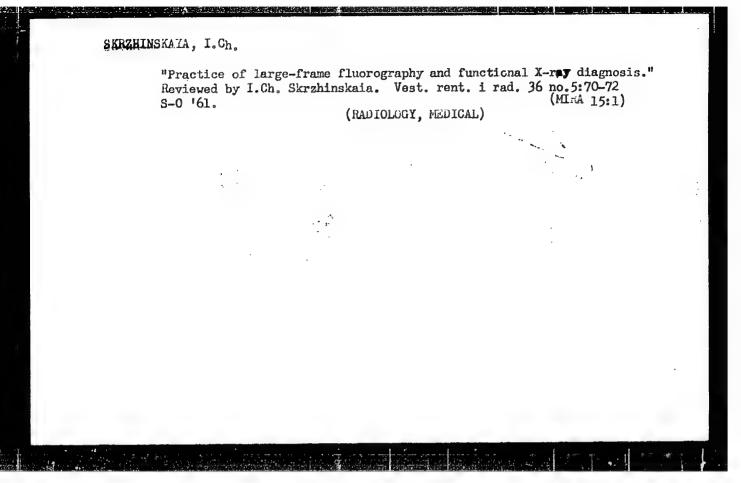
(DIAGHOSIS, FLUOROSCOPIC) (STOMACH.-CANCER)

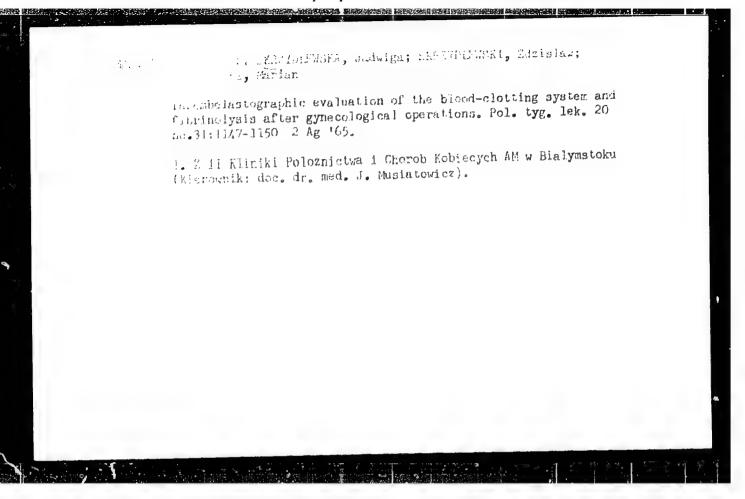
SKRZHINSKAYA, I.Ch., kand.med.nauk (Moskva, V-162, Khavsko-Shabolovskiy per., d.18/2, kv.12); BUNDEL', A.A., doktor khim.nauk; RUSANOVA, A.I., kand.khi.nauk

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l. Iz Gosudarstvennogo nauchno-issledovatel skogo rentgenoradiologicheskogo instituta Ministerstva zdravookhraneniya RSFSR (dir. - dotsent I.G.Lagunova).

(LUNGS, blood supply x-ray technics, model studies (Rus))





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HENTINEI, I.

"Em evidence of the Preparatory Comp for the lot International Glider Contect in the field of tockies of Speedy Gliding. Szybownik.", p. 35, (SECZYCLATA POLICE, Vol. 10, No. 47, Nov. 1954, Marsacka, Police)

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Vol. 17, No. 76, wily 1977.

J. LICHA. (LOPA.

MICHAELEY

Merszawe, Poland

Do: Last Armogen Accession, Vol. 7, 10. 7, 25y 1750

WROBLEWSKI, Marian; SKRZYDLEWSKI, Zdzislaw; WISNIEWSKI, Lucjan; BIELECKI, Marian, Jezuita, Jan.

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VEL'GUS, S.[Velgus, S.], planerist; MAKULYA, E.[Makula, E.], planerist; SKSHIDLEVSKIY, S.[Skrzydlevski, S.], planerist; SNESHKO, Yu.[translator]; VASIL'YEV, A.A., red.; DVOYENOSOV, D.V., red.; ZAMYATIN, V.M., red.; SOROKIN, M.Z., tekhn. red.

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SOURCE: East Juropean Accessions List (EEAL), Library of Congress, Vol. 4. No. 12, December 1955.

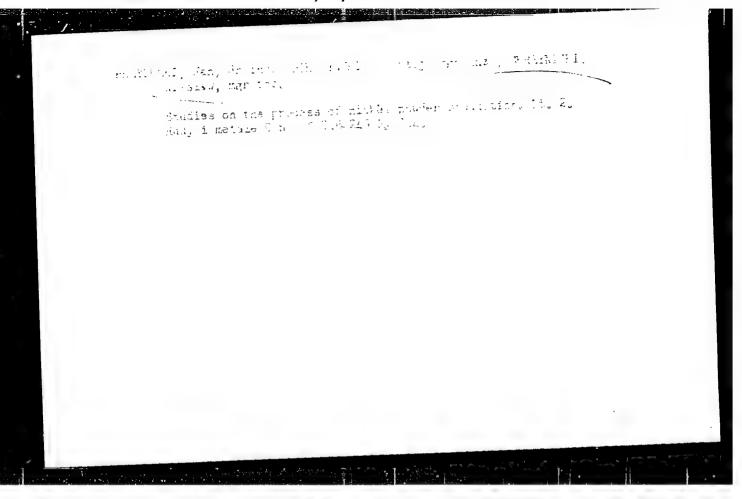
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April 1958

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Research on the nickel powder preparation process. Rudy i metale 8 no.9:342-344 S*63.



SDYMBORSKI, Behrang - UT Widte, Cterislaw; TH VO Till , Marie Law

Thrombelastographic studies of the La od congulation system in psychoses. Neurol., neurochir., psp liat. Jol. 14 nt.42 615-622 Ju-Ag *64

1. E Kliniki Esychiatrycznej Akademi, Medycznej w Bialymatoku (Kierownik: prof. dr. med. L. Korwaliowski) i z Mojewodzkiego Szpitala rotezmiczo-Ginekologicza go w Bialymatoku (* crektora dr. med. M. Coroszko).

WE YNAM J. I halve we Mikropicles ii Relnieur; U. J. Mikrobiologiczne becamia we tropost on a manufednieniem wpływow meteorologicznych. The micropiological examination of the temposphers with consideration of the meteorological influences Medycyna feswiadozalna i Nebrobiologia, Worsau 1949, 1/2 (196-343) Graphs (Tables II Illus. 1

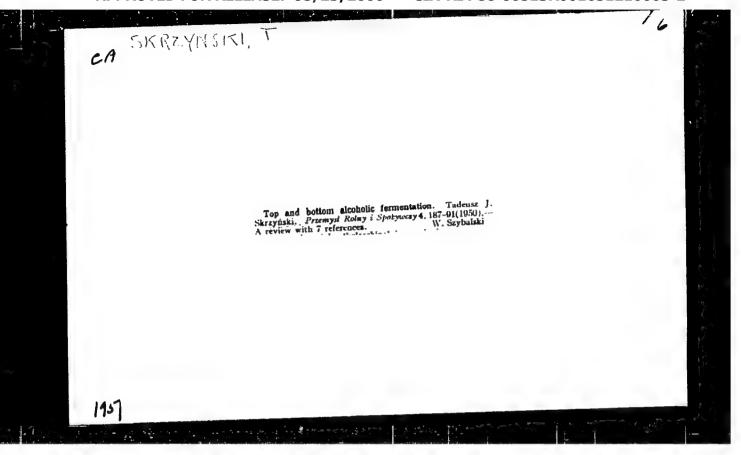
Results of bootsriological examinations of material obtained with a special apparatus suring 1:0 flights. The strats were investigated from 50 to 6,000 m. above ground level. Laboratory work started immediately after each flight. Coccacuae were present in 50.3%, Bacterisceas in 3.65%, Bacillac ac - 39.80%, Actinomycutac ac - 3.10%, Spirillac ac -0.15%. Among the Coccaceae pigmented species of Micrococcus prevailed; M. pyogenes aureus was found several times in summer at 1,200 m.; Sarcina flava, lutea and aurantiaca were also present. The most frequently found Baciliaceae were B. albus, B. silvaticus, B. mycoides, B. m.sentericus. B. subtilis, B. simplex stc.; Bacteriacece: Proteus vulgaris Achromobacter filifaciens, A. album, A.pestifer.Spirillac ae and Actinomycetac ae were found rather accidentally (after strong ascending air currents in thermal storms). The character of the ground over which samples were collected influenced the qualitative results up to the height of 500 m. Schetimes pacteria were more abundant above 3,000 m. than in lower strate. Forked quantitative decline of microorganisms began above 4,000 m. A large quantity of Serratia marcescens cultures was spread at the height of 300-2,000 m. A second plane flow through the same area after a determined time and eath-red samples of the wir. In the horizontal and ascending currents felling of bacteria was slight. quantities of bacteria decreased with the square of listance. Bacteria sprayed above 1,000 m. were never found in the strata near the ground. Bacteria sprayed at 300-400 m. above the ground fell down in still weather after 2-3 hours in the area of spreading. Clouds carried the bacteria sprayed into them. The most frequently found mould spores wire of the following spicies: Penicillium laucum, F. szafiri, F. matris meas, Aspergillus fumigatus, A. miger, A. tersus. Pollen of the following families and

SEPLYMSKA J. (continued)

Composited, Renunculacede, Umbelliferne; Salix, Ceripinus, Auercus, Pinus, Picas, Alrus, Fraxiaus and others. The greatest amount of collen was found at the height of 3,500 m. Above 5,000 m. pollen appeared in minimal quantities.

Makower - Wroclaw

So: Madical Fiero delegy & Hygiane Section 1V, Vol. 3, No. 7-12



T. SKRZYNSKI

"Drying maize mechanically" page 54 (NOWE HOLKICTWO. Vol. 2, no. 9, Sept. 1953 Warszawa, Poland)

SO: East Euros jan, LC Vol.2, No. 12, Dec. 1953

SECRETARING TO PROTUCE as an Antiportest learn of Lorescing Parture Leaded, P. 5. (MILE ROLLOTIC, Vol. 3, No. 5, Lay 1550, Warszaur, Polani).

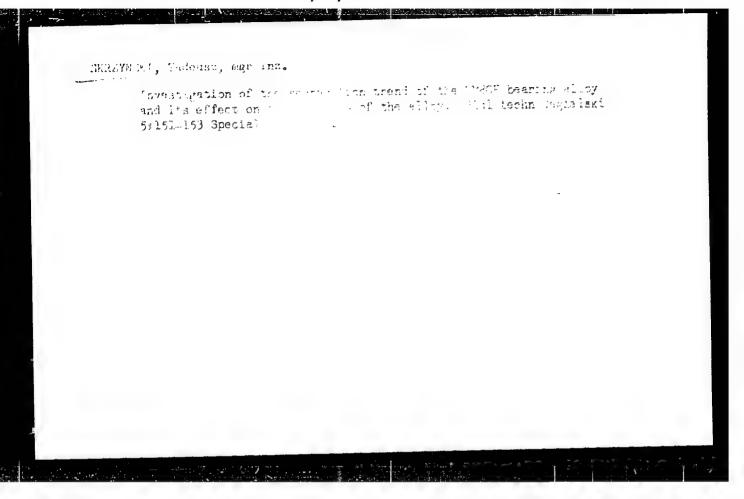
SO: Distill Liet of Ha t Europes. Accessions, (MEAL), LC, Vol. 4, No. 5, New 1985, Usel.

SKRZYNSKI, T.

Typical models of dryers of green forage and corn.

p. 14 (Budowinictwo Weijskei) Vol. 7, No. 5, Sept./Oct., 1955, Warszawa, Poland

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CRAZIMORI, Tadecsz, dr inz.

Mombanical properties and abrasibility of the IMBOF bearing alloy used for bearings of ship engines. Przegl mech 24 no.10: 311 25 My 165.

1. Division of Machine Building of Poznan Technical University.

SIRELYPIZAK, EWA

POLAND/Nuclear Physics - Elementary Particles

C-3

Abs Jour : Ref Zhur - Fizika, No 3, 1958, No 5400

Author : Skrzypczak, Ewa

Inst : Not Given
Title : Heavy Mesons

Orig Pub : Kosmos (Polska), 1957, B 3 No 3, 127-134

Abstract : No abstract

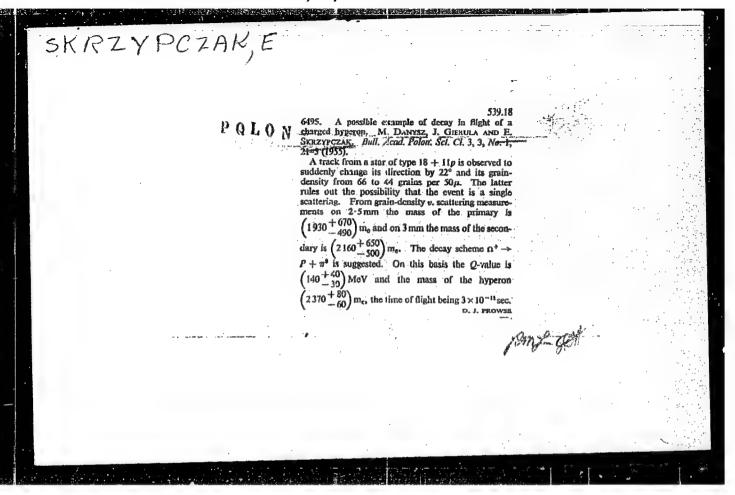
Card : 1/1

BOBER, Stanislaw; KRUZE, Dariusz; DABROWA, Romuald; IWANSKA, Janina; SKRZYPCZYK, Ewa

Quantitative determination of free amino acids in the blood serum in normal subjects by means of column-paper chromatography. Polskie arch. med. wewn. 32 no.5:443-454 '62.

1. Z Katedry i Kliniki Chorob Wewnetrznych Klinicznego Centralnego Szpitala W.A.M. Kierownik: prof. dr med. S.Bober.

(AMINO ACIDS blood) (CHROMATOGRAPHY)



SKRZYPCZAK, E.

"Heavy mesons."

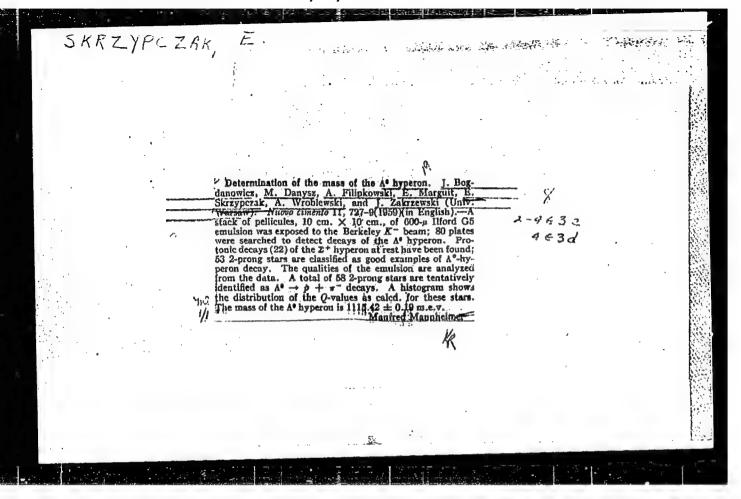
p. 127 (Kosmos. Serhia B: Przyroda Nieozywiona) Vol. 3, no. 2, 1957 Warsaw, Poland

SO: Monthly Index of East European Accessions (EnAI) LC. Vol. 7, no. 4, April 1958

SKRZYPCZAK, E.

Filipkowski, A., EKRMYPCZAK, E., Somogyi, A.*, (Institute of Nuclear Research, Warsaw), and Wroblewski, A. (Inst. of Physics, Warsaw Univ.), "Two events of mesonic decay of hyperfragments in flight." <u>Nuclear Physics</u>, Vol. VII, No. 6, 1950. pp643-45. (Received 31 Mar 58)

*On leave from the Central Research Institute for Physics of the Hungarian Academy of Sciences. Department of Cosmic Rays, Budapest.



K24/C2H7, ..

82753

P/045/60/019/003/001/010 B022/B070 3

24.6810

AUTHORS:

TITLE:

Bogdanowicz, J., Danysz, M., Filipkowski, A., Marquit, El., Skrzypczak, E., Wróblewski, A., and Zakrzewski, J.

Determination of the Mass of the 10 Hyperon 17

PERIODICAL: Acta Physica Polonica, 1960, Vol. 19, No. 3, pp. 277 - 287

TEXT: The energy of the decay $\Lambda^{\rm O} \to \rm p + \pi^-$ measured in recent years by several groups of investigators using chamber and emulsion techniques shows discrepancies in some cases that are large in comparison to the errors quoted. On account of its importance, the authors have tried to determine the mass of $\Lambda^{\rm O}$ based on larger statistics. As a source of $\Lambda^{\rm O}$ hyperons, they chose the K mesons in nuclear emulsion. They used a stack of 180 plates 10 × 10 cm × 600 μ of Ilford 65 emulsion exposed to the enriched K beam (~300 MeV/c) from the Berkeley bevatron. For the shrinkage factor of this emulsion they found the weighted mean of estimates by two independent methods to be s₁ = 2.21 \pm 0.027. The stopping power of the emulsion was found to be R_{st}/R = 1.002 \pm 0.003.

Card 1/3

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Determination of the Mass of the Λ^{O} Hyperon

P/045/60/019/003/001/010 B022/B070

All measurements for each day were made under high magnification independently by two observers. Horizontal projections of the tracks were generally made on Zeiss Lumpian microscopes adapted for emulsion work, vertical projections were made on a Zeiss optimeter coupled to a Koristka MS2 microscope. The projected angles between the decay prongs were measured by a goniometer attached to the eyepiece of the microscope. The dip angles of the tracks were measured on a Koristka MS2 microscope. Assuming that the secondary particles are protons and pions the Q-values for each event were calculated. In the evaluation of random errors for the individual Q-values, errors in angular momentum, range measurements, straggling, shrinkage factor, and stopping power were taken into account. From their studies of 53 decays of Λ^0 hyperons, the authors obtain the following results for Q value and mass of Λ^0 : $Q_{\Lambda} = (37.58 \pm 0.18) \, \text{MeV}$, $M_{\Lambda} = (1115.42 \pm 0.19) \, \text{MeV}$. Thanks are made to the scanning staff of the laboratory: Mrs. K. Bobinska, Mr. R. Dabrowski, Mrs. M. Pazdanowska, Miss W. Saniewska for their careful work, and especially Mrs. I. Przypkowska for her efficient help in scanning, measurement, and calculation. There are 2 figures, 2 tables, and

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Card 2/3

Determination of the Mass of the $\Lambda^{\rm O}$ Hyperon P/045/60/019/003/001/010 B022/B070

12 references: 1 Soviet, 3 US, 5 Italian, and 1 Dutch.

ASSOCIATION: Institute of Physics, Warsaw University, and Institute of Nuclear Research, Warsaw

Card 3/3

SKRZYPCZAK, Edward; SMOLENSKI, Julian

Construction of geophysical measuring instruments at the Geophysical Research Enterprises in the years 1952-1961. Przegl geol 9 no.10: 510-511 '61.

1. Przedsibiorstwo Poszukiwan Geofizycznych.

(Poland-Geophysics)